ISAT-200R

SKYTRAC
YOUR SATCOM TECHNOLOGY PARTNER

NEW FEATURES

- Data encryption
- Data transfers over the Iridium satellite network using RUDICS

SYSTEM BENEFITS

- Global flight following, voice, messaging and data transfer
- Easily integrates with other on-board equipment
- Automatic operation – no pilot interaction required

HARDWARE FEATURES

- Single TSO GPS and Iridium dual antenna
- Smart tray installation with field replaceable transceiver
- Internal field replaceable battery to enable emergency mode in case of aircraft power loss, as well as the sending of a final "power off" event which provides more accurate flight times for billing and maintenance purposes
- STCs available for many airframes
- SD card interface for quick data download and firmware upgrades
- Two-way voice communication
- Supports Wi-Fi or Bluetooth interface for additional onboard connection options

COCKPIT INTERFACE (DIALER & DISPLAY)

- Send/receive pre-configured, editable field or free-form messages
- Send/receive satellite phone calls
- Emergency switch
- Tag flight number of pilot log to each position report

ISAT-100 TO ISAT-200 UPGRADES

The ISAT-100 to ISAT-200 upgrade is made easy by using a mounting plate available from SkyTrac Systems. Contact SkyTrac by email at info@skytrac.ca for details.

The ISAT-200R system is SkyTrac's installed full featured flight following and SatCom system. The ISAT-200R goes beyond tracking, voice and text with numerous new feature sets and functionalities.

ISAT-200R SYSTEM SPECIFICATIONS

DUAL ANTENNA

GPS Antenna	Active L1
Iridium Antenna	Passive
Radome	Low profile molded
Power Handling	1 W (GPS) ; 30 W (Iridium)
Dimensions	H x W x D = 0.72" x 2.2" x 5" (18.3mm x 56mm x 127.7 mm)
Weight	0.5 lbs (0.226 kg)

ISAT-200R– TRANSCEIVER

Iridium Services	SBD, Dial-Up data, SMS, DAV and RUDICS
Operating Frequency	1616 MHz to 1626.5 MHz
Power Requirements	10 Vdc to 32 Vdc
Power Consumption	0.5 A typical, 1.5 A in transmission
Audio Output	150 mW into 600 or 300 Ohms
Microphone Input	0.007 Vrms – 1.4 Vrms @ 1000 Ohms Impedance
Operating Temperature	-40°C to +70°C
Dimensions	H x W x D = 5.25" x 3.91" x 12.1" (133.4mm x 99.3 mm x 307.3mm)
Weight	4.8 lbs (2.18 kg) including Tray
Mounting	Tray (with ARINC 404 Connectors)
Cooling	Normal air circulation
Environmental Tests	D0160 Category F

CDP-300 SPECIFICTIONS

Power Requirements	20.5-32.2 Vdc Aircraft Power per Mil-Std-704 D
Power Consumption	80 mA @ 28 Vdc
Operating Temperature	-40°C to +70°C
Dimensions	H x W x D = 1.8" x 5.75" x 3.2" (46.7mm x 146mm x 80.5mm)
Weight	0.73 lbs (0.33 kg)
Mounting	DZUS rails using 4 1/4 Turn Studs
Cooling	Normal air circulation
Environmental Tests	D0160 Category E

DVI-300 SPECIFICATIONS

Power Requirements	20.5 - 32.2 Vdc Aircraft Power per Mil-Std-704 D
Power Consumption	50 mA @ 28 Vdc
Operating Temperature	-40°C to +70°C
Dimensions	H x W x D = 1.12" x 5.75" x 3.4" (28.4mm x 146mm x 86.4mm)
Weight	0.6 lbs (0.27 kg)
Mounting	DZUS rails using 4 1/4 Turn Studs
Cooling	Normal air circulation
Environmental Tests	D0160 Category E

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